

Appl. No. 09/642,747
Suppl. Response and Amendment dated July 14, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings in the application:

Listing of Claims:

Claims 1-10 (cancelled)

Claim 11 (currently amended) ~~The mutant second protein kinase according to claim 23,~~
~~wherein said first and said second protein kinases are mitogen activating protein (MAP)~~
~~kinases.~~

An isolated or purified mutant of a naturally-occurring mitogen activating protein (MAP)
kinase, said mutant being selected from:

(a) a mutant extracellular-signal regulated kinase 2 (ERK2)

comprising the amino acid sequence of SEQ ID NO:2, wherein amino acid 105 is
threonine or alanine; or

(b) a mutant Jun-N-terminal kinase 3 (JNK3) comprising amino acids

40-402 of SEQ ID NO:3, wherein amino acid 146 is threonine or alanine.

Claim 12 (cancelled)

Claim 13 (currently amended) The mutant ERK2 according to claim 11~~2~~, wherein amino
acid 103 is leucine, amino acid 106 is histidine, amino acid 109 is glycine and amino acid
110 is alanine.

Claims 14-23 (cancelled)